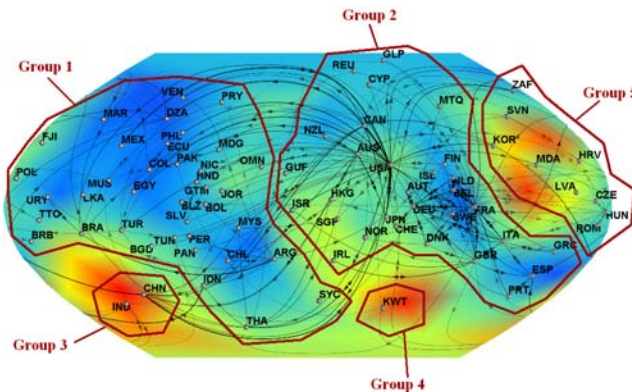




RESEARCH SEMINAR

Tuesday July 23, 2013
12-1 pm

ICT 3.46



Masa Takatsuka

The School of Information Technologies, The University of Sydney

Human-Centered Visualization

We have seen explosion of data due to the advances of computing and network technologies, and the rate of data acquisition continues to increase. While many computational techniques have been developed to assist in analyzing these massive data sets, some users such as regular data consumers and busy decision makers might not be able to afford time and money for those computational tools to give them clear answers. For a long time, we have been using pictorial / graphical representation of data to assist people to “see” and understand what’s happening in the complex data environment. Many studies have been carried out in regard to converting complex relational data to a form of Graph or Map so that users can “see” them on a paper or a computer screen. Many such efforts were motivated by the search for computationally more efficient methods.

This talk will present the visualization approach (called Spatialization) and research activities at ViSLAB of the University of Sydney. In particular, the talk will emphasize on the importance of designing the “visual” element for “humans”. It will present several research challenges visualization researchers now face. These challenges concern not only the computational aspect but also understanding how humans perceive the graphical/visual (sometime artistic) representation/designs.

<http://silverbullet.newcastle.edu.au/air/seminars/>